

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES REPLACEMENT OF DAMAGED LOOP DETECTORS AT THE INTERSECTION OF US 1 AND US 222 IN CECIL COUNTY. US 1 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA FIVE-PHASE, SEMI-TRAFFIC-ACTUATED MODE. THERE IS EXCLUSIVE/PERMISSIVE LEFT TURN PHASING FOR EASTBOUND OF US 1. US 1 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY. US 222 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY.

CONTACTS

The contact persons for District #2 are as follows:

Mr. Jeffery Wentz
Assistant District Engineer - Traffic
Phone: (410) 810-3240

Mr. Michael Lewis
Assistant District Engineer - Maintenance
Phone: (410) 810-3250

Mr. Barry Clothier
Utility Engineer
Phone: (410) 810-3275

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Supervisor, Signal Operations
Phone: (410) 787-7650

PHASE CHART

1	2	3	4	5	6	7	8
R	R	R	R	R	R	R	R
Y	Y	Y	Y	Y	Y	Y	Y
G	G	G	G	G	G	G	G

PHASE 1 AND 6	<GG	G	R	R	R	R	R	R	
1 AND 6 CHANGE	<YG	G	R	R	R	R	R	R	
PHASE 2 AND 6	G	G	G	G	R	R	R	R	
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	
PHASE 4 AND 8	R	R	R	R	G	G	G	G	
4 AND 8 CHANGE	R	R	R	R	Y	Y	Y	Y	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	

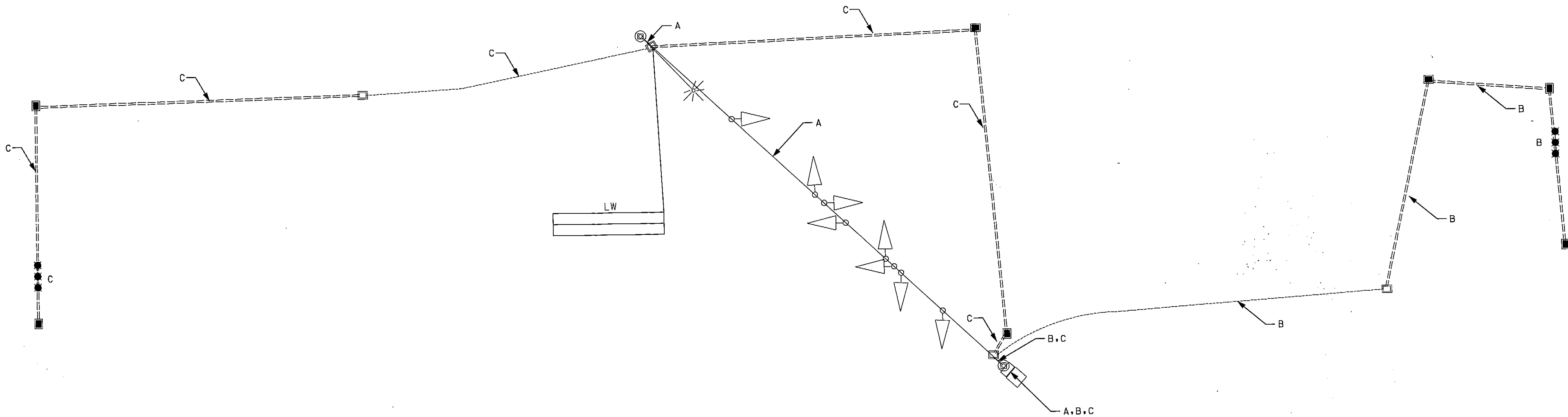
EQUIPMENT LIST

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
8006	1	EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT PER ASSIGNMENT
8011	700	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - BORED
8013	20	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - TRENCHED
8018	2	EA	NONINVASIVE DETECTOR UP TO 1000' LEAD IN CABLE
8019	5	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8020	147	LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)
8023	500	LF	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8024	15	LF	1 INCH DETECTOR SLEEVE GALVANIZED OR FLEXIBLE LIQUID TIGHT

US 1 IS ASSUMED TO RUN
IN AN EAST/WEST DIRECTION

WIRING DIAGRAM



WIRING KEY

A } EXISTING 2 CONDUCTOR ELECTRICAL CABLE
(NO. 14 AWG, ALUMINUM SHIELDED)

B+C } NONINVASIVE DETECTOR LEAD IN CABLE

LW } LOOP WIRE

NOTE:

THE NEW LOOP WIRE A WILL BE SPLICED TO EXISTING
2 CONDUCTOR ALUMINUM SHIELDED CABLE.

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 1 AT US 222
CONOWINGO, MD

GENERAL INFORMATION PLAN SHEET

SCALE NTS DATE 02/11 CONTRACT NO. XX3556168

DESIGNED BY XM COUNTY CECIL

DRAWN BY XM LOGMILE 07000101.46

CHECKED BY JB TMS NO. K055

F.A.P. NO. TOD NO.

TS NO. 300C DRAWING OF SHEET NO. 2 OF 2

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PLOTTED: Monday, February 21, 2011 AT 02:18 PM
FILE: P:\03-012-1230\Task 15 Cecil County Verfus Locations\Drawings\CADD\Working\US1@US222\p000-US1@US222.dgn